Rubbermaid®

Medical Solutions

C36-430 Wall Cabinet Workstation

Installation and User Manual

Warnings

IMPORTANT – Indicates a situation that does not present any hazard but is very important in maintaining a well functioning workstation.

ATTENTION – Consult manual to avoid a potentially hazardous situation which may result in minor or moderate injury.

- Contact the facility Engineer of Record for direction on mounting locations and methods prior to installing any wall tracks or equipment.
- The shipping weight of this unit is 86 lbs (39.0 kg). Use proper lifting techniques to prevent injury.

ELECTRICAL – Indicates an impending electrical hazard which, if not avoided, may result in personal injury, fire and/or death.

- The supplied power cord is rated for medical use. Connecting the cord to an outlet that is not medical grade (indicated with a green dot) will not ensure grounding protection. (Locking cabinet only).
- Power cord, USB extension, and workstation are for INDOOR use only. **DO NOT** OPERATE OUTDOORS.
- Keep power cord away from water. **DO NOT** PLUG CORD INTO OUTLET IF WET.
- **DO NOT** OPERATE PRODUCT IF WET. If the WORKSTATION becomes wet, unplug it immediately, wipe off any excess liquid, and allow it to dry before using again.
- Inspect power cord before integration. **DO NOT** USE POWER CORD IF DAMAGED.
- Fully insert power cord plug into outlet. **DO NOT** unplug by pulling on cord. **DO NOT** remove, bend or modify any metal prongs or pins of power cord.
- **DO NOT** use excessive force to make mechanical or electrical connections.
- **DO NOT** use an electrical extension cord with your workstation.
- **DO NOT** use a flammable cleaner on the station as it can result in fire or explosion.

Transport/Storage

Care should be taken to transport and store this system within a temperature range of 32ºF to 90ºF (0ºC to 32ºC); Humidity 20% RH to 95% RH non-condensing.

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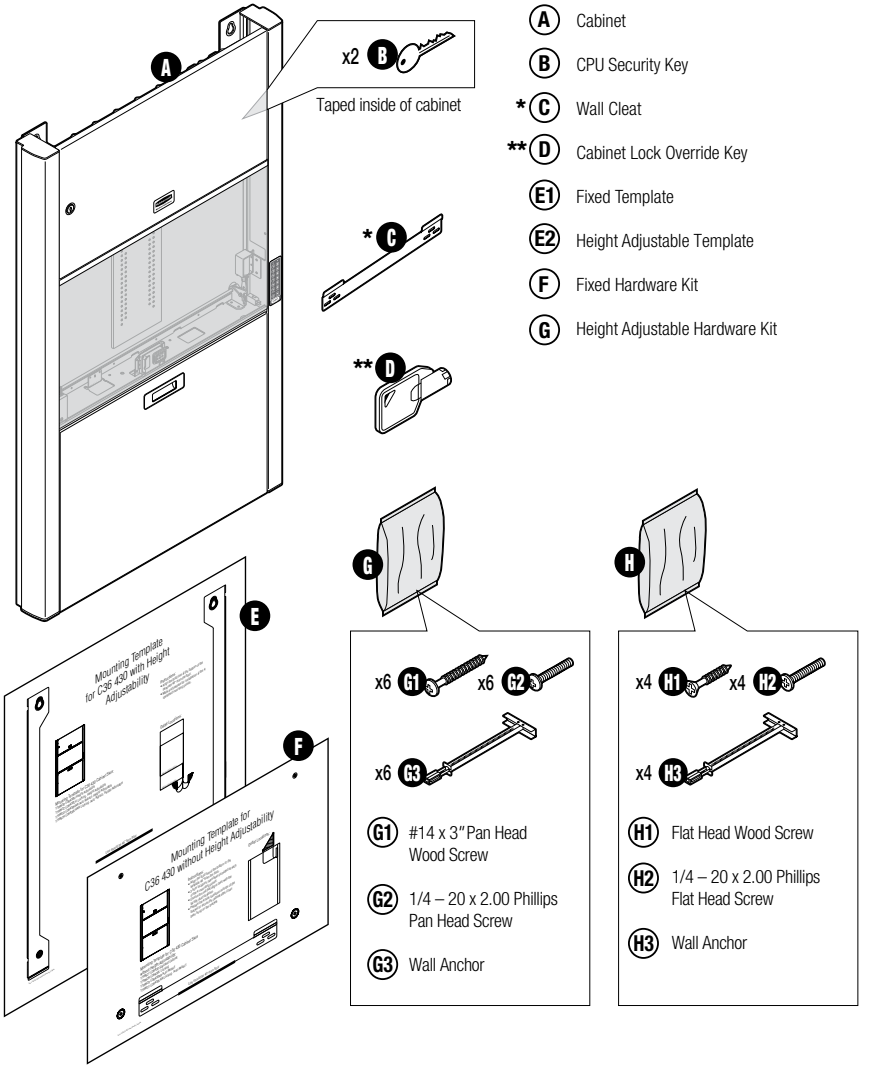
Box Contents

WORKSTATION



- (A) Cabinet
- (B) CPU Security Key
- *(C) Wall Cleat
- **(D) Cabinet Lock Override Key
- (E1) Fixed Template
- (E2) Height Adjustable Template
- (F) Fixed Hardware Kit
- (G) Height Adjustable Hardware Kit

(G1) #14 x 3"Pan Head Wood Screw

(G2) 1/4 – 20 x 2.00 Phillips Pan Head Screw

(G3) Wall Anchor

(H1) Flat Head Wood Screw

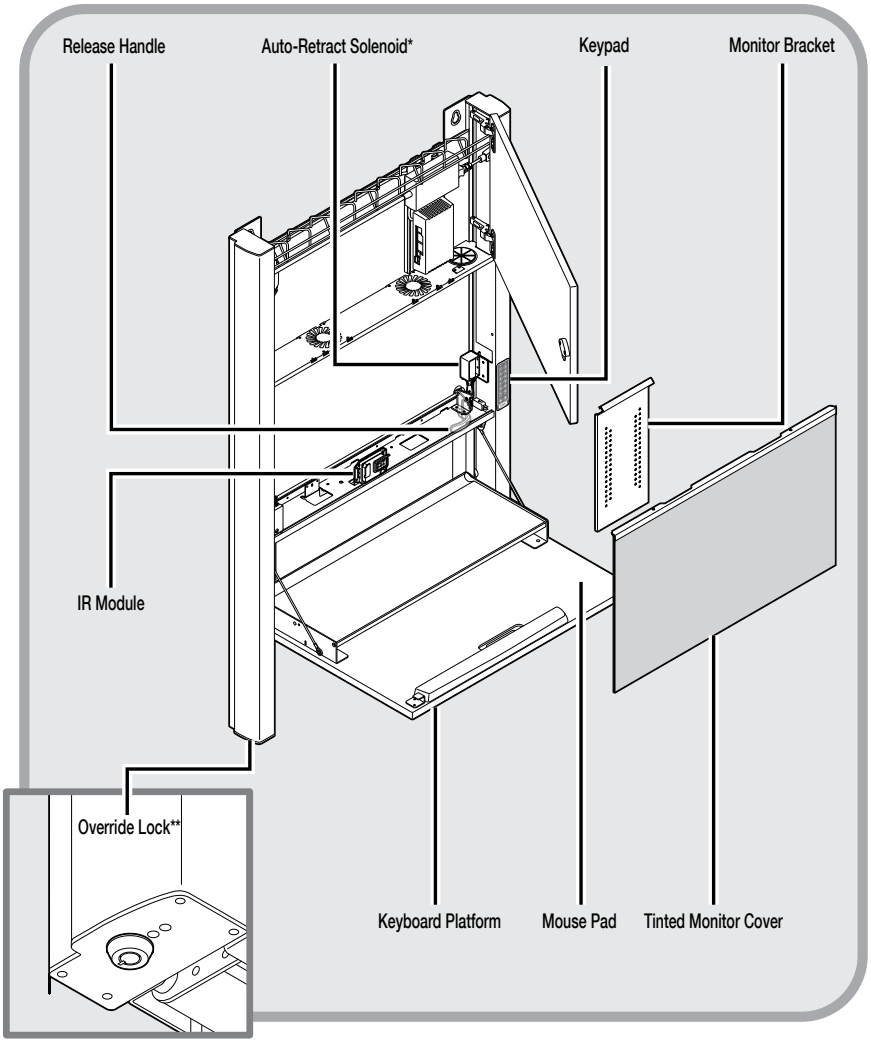
(H2) 1/4 – 20 x 2.00 Phillips Flat Head Screw

(H3) Wall Anchor

***Note:** For Fixed Height cabinets **ONLY**..*
***Note:** For Locking cabinets **ONLY**.*

Installation

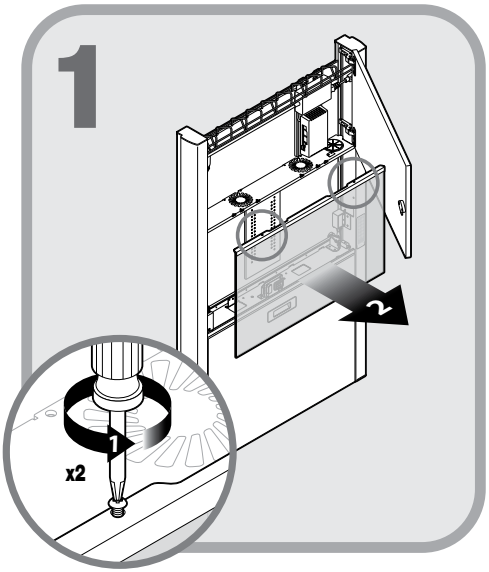
PARTS BREAKDOWN/RÉPARTITION DES PIÈCES/DETALLE DE LAS PIEZAS



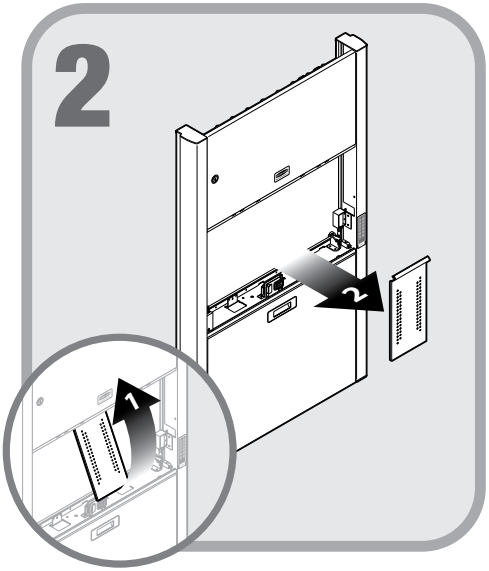
***Note:** For cabinets with Auto-Retract **ONLY**.*
****Note:** For Locking cabinets **ONLY**.*

Installation

WALL CABINET DISASSEMBLY



(1) Remove two screws from top of tinted monitor cover. (2) Removed tinted monitor cover.



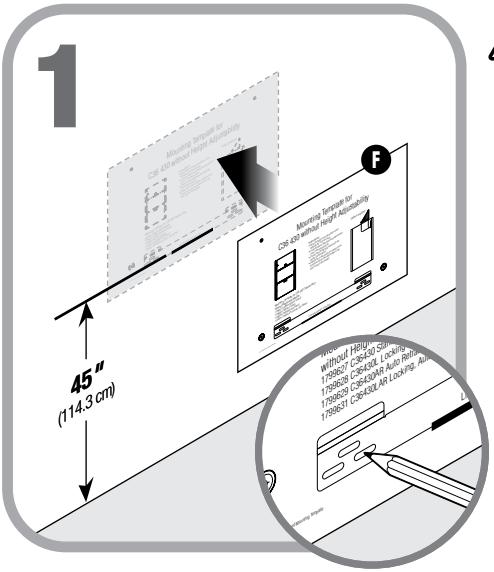
(1) Lift and (2) remove monitor bracket.

Note: *For Fixed Height Wall Cabinet installation, go to page 8.*

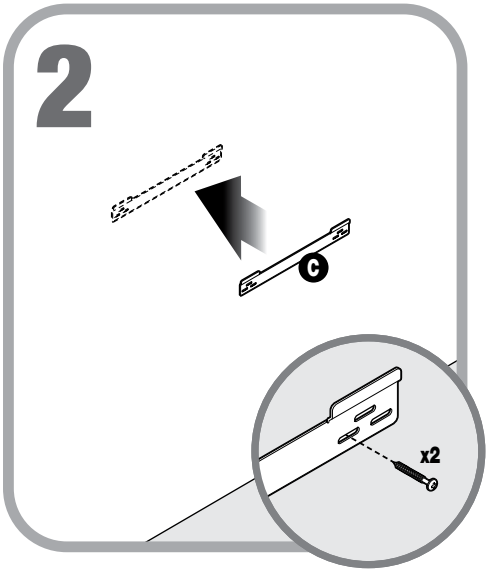
Note: *For Height Adjustable Wall Cabinet installation, go to page 10.*

Installation

FIXED HEIGHT WALL CABINET



Note: *Consult the Engineer of Record regarding structural codes and utilities.* Use the mounting template **(F)** to mark drill hole locations. Set line should be 45" (114.9 cm) from floor. Note outlet locations and dimensions on mounting template. Mark and drill holes.

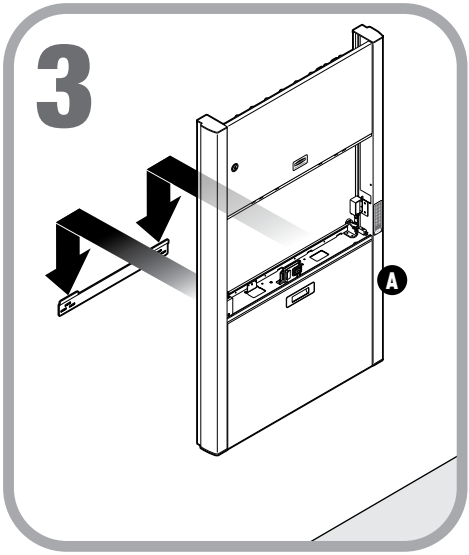


Note: *For steel stud, all six wall anchors* ***(G3)*** *must be installed before proceeding.* Mount wall cleat **(C)** using pan head hardware provided.

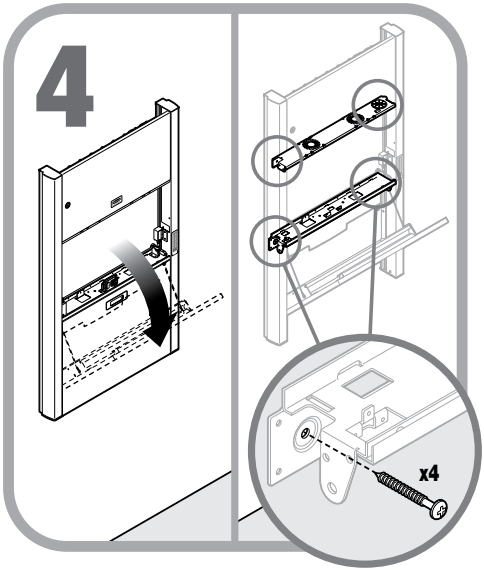
Note: *Use part wall anchor* ***(G3)*** *and machine screw* ***(G2)*** *for steel stud installation. Use wood screws* ***(G1)*** *for wood studs.*

Installation

FIXED HEIGHT WALL CABINET



Hang wall cabinet **(A)** on wall cleat.

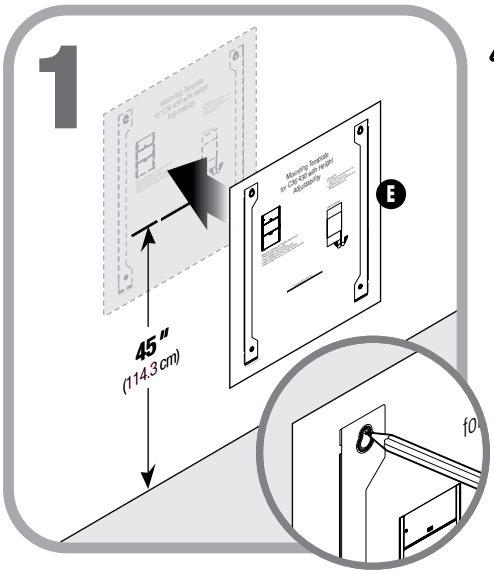


⚠ Fold down keyboard tray half way to access mounting holes. Insert four screws to secure the cabinet crossmembers.

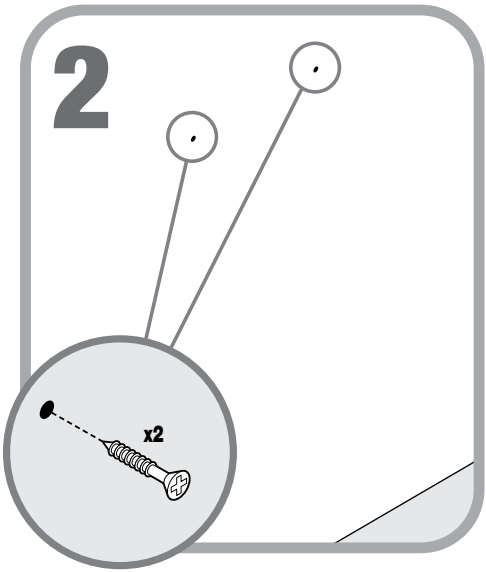
Note: *Use machine screws* ***(G2)*** *for steel stud installation. Use wood screws* ***(G1)*** *for wood studs.*

Installation

HEIGHT ADJUSTABLE WALL CABINET



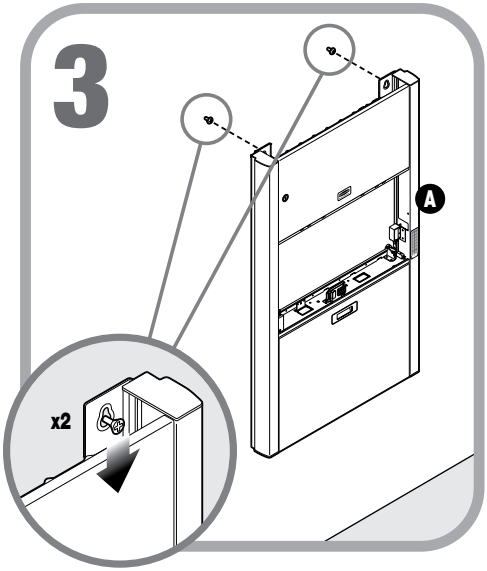
Note: *Consult the Engineer of Record regarding structural codes and utilities.* Use the mounting template **(E)** to mark drill hole locations. Set line should be 45" (114.9 cm) from floor. Note outlet locations and dimensions on mounting template. Mark and drill holes.



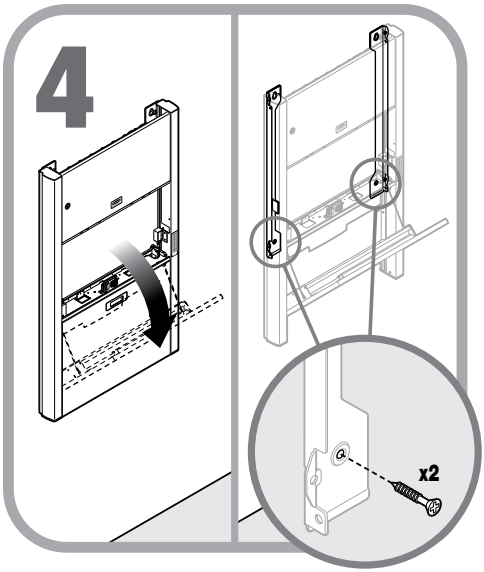
Note: *For steel stud installation, four wall anchors* ***(H3)*** *must be installed before proceeding.*
Start screws in top locations only. **DO NOT** tighten.
Note: *Use wall anchor* ***(H3)*** *and machine screws* ***(H2)*** *for steel stud installation. Use wood screws* ***(H1)*** *for wood studs.*

Installation

HEIGHT ADJUSTABLE WALL CABINET



Hang wall cabinet **(A)** on top two screws.

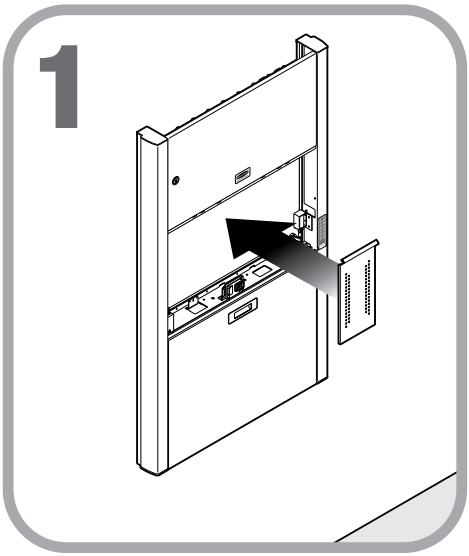


⚠ Fold down keyboard tray half way to access mounting holes. Insert bottom two screws to secure the cabinet shuttle. Tighten all four screws.

Note: *Use machine screws* ***(H2)*** *for steel stud installation. Use wood screws* ***(H1)*** *for wood studs.*

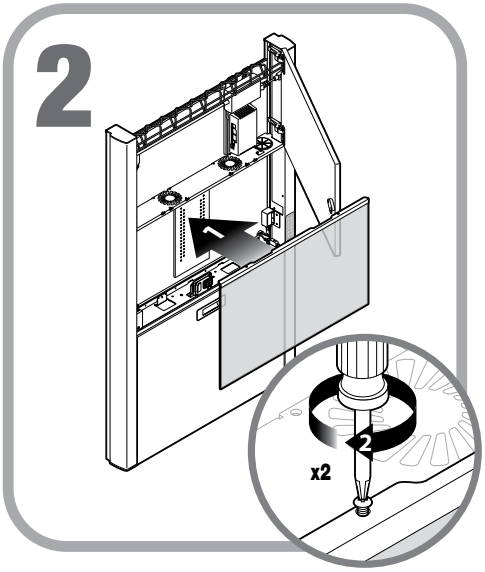
Installation

WALL CABINET REASSEMBLY



Replace monitor bracket.

Note: *The user's monitor needs to be attached to bracket, then hung in cabinet. See Integration section for details.*

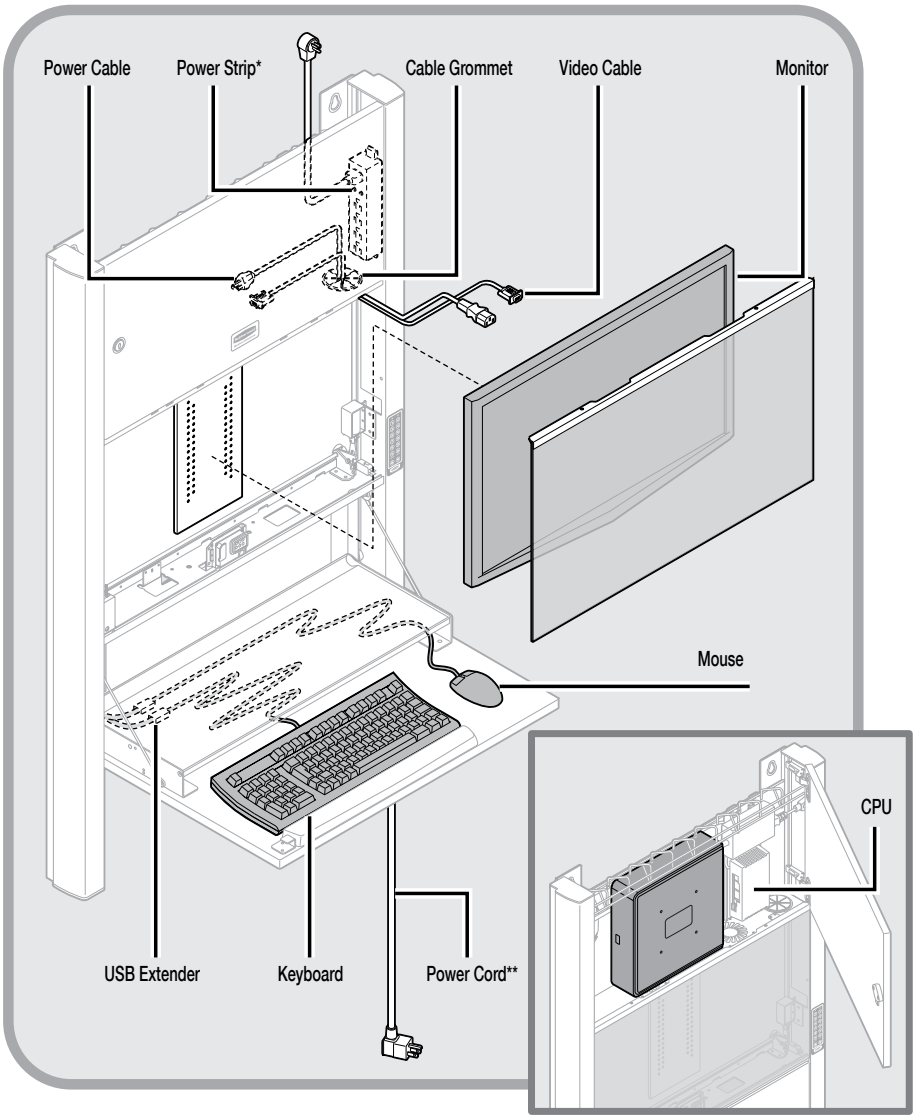


(1) Replace tinted monitor cover.

(2) Replace two screws on top of tinted monitor cover.

Integration

TECHNOLOGY SCHEMATIC



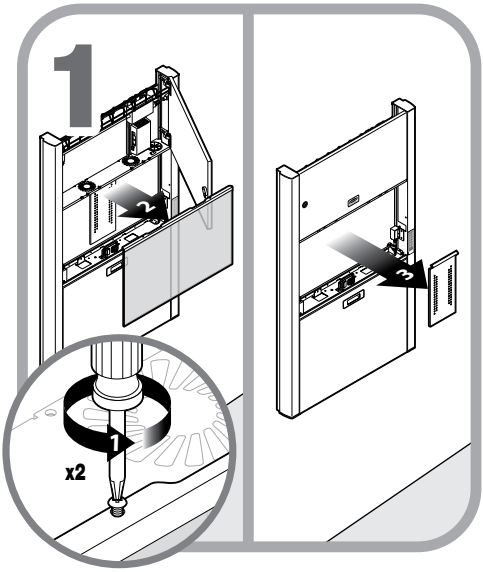
***Note:** For Fixed Height cabinets **ONLY**.*
****Note:** For Height Adjustable cabinets **ONLY**.*

Integration

SPECIFICATIONS

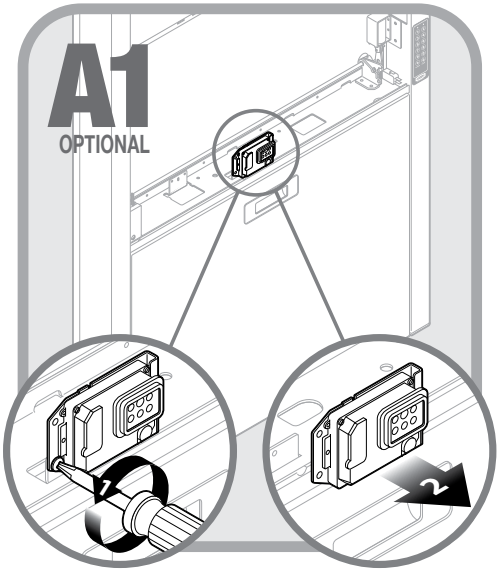
Power Cord (Height Adjustable)	1 m Length, Medical Grade Right Angle NEMA Plug to C-13 plug, 120/240VAC, 6.3A, 50/60Hz.
Power Cord (Fixed Height)	2′, Medical Grade Right Angle NEMA Plug (Illuminated for power indication) to C-13 plug.
Power Strip	NEMA 5/15 outlets with inline fusing
Power Indication (Powered Sku's)	Green LED Light mounted in the Monitor cabinet to provide power status.
Power Indication (Base Model)	Illuminated Right Angle NEMA Power Plug.
USB (Control Board)	USB A to Mini-B
USB (TaskLight)	USB A to Mini-B
USB Peripherals	2 - USB A Male to USB A Female (Extension)
VGA / DVI Cable	Per Customer Technology Requirements
Monitor Bracket	25 lbs (11.3 kg) **max**; VESA 75 mm & 100 mm
Keyboard Platform	Accommodates 1.75″H x 18″W x 8″D (4.5 cm x 45.7 cm x 20.3 cm) USB keyboard
Work Surface	24.5″W x 9.4″D (62.2 cm x 23.9 cm)
Mouse Area	7″W x 9.5″D (17.8 cm x 24.1 cm)
Technology Cabinet	Accommodates CPUs up to 12″W x 10″H x 2.8″D (30.5 cm x 25.4 cm x 7.1 cm)

TECHNOLOGY INTEGRATION



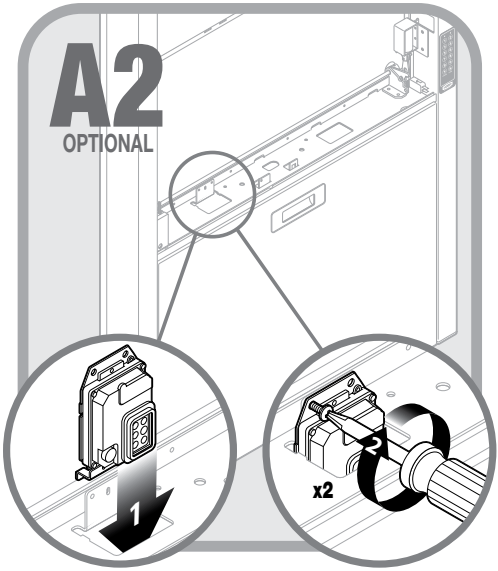
Integration

USING 24" MONITOR



(1) Remove screw from IR module.

(2) Remove IR module.

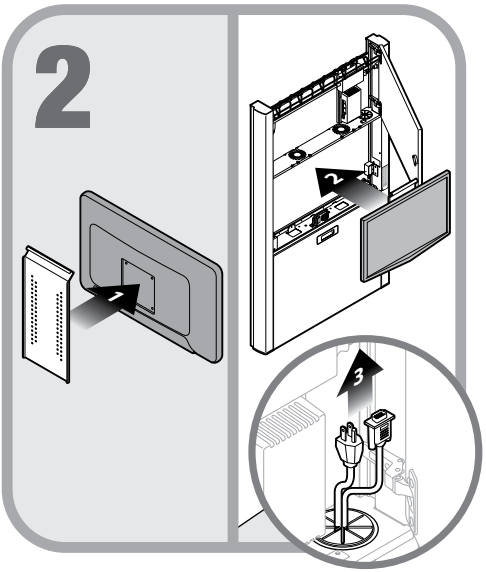


(1) Replace IR module.

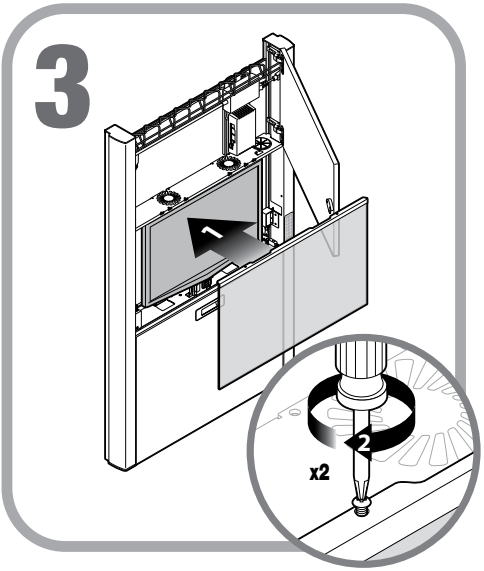
(2) Secure with two screws.

Integration

TECHNOLOGY INTEGRATION



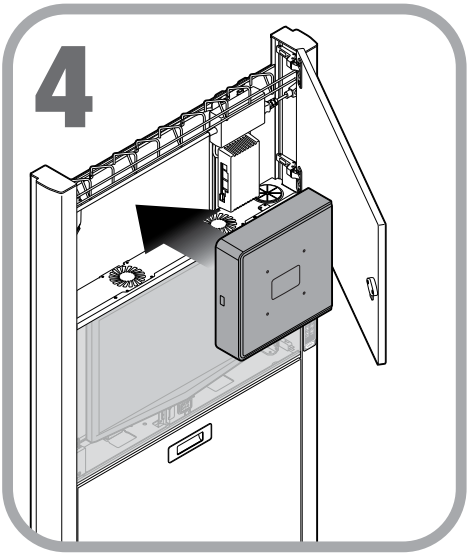
(1) Attach monitor bracket to monitor.
(2) Place monitor inside wall cabinet.
(3) Route power and video cables through cable grommet.



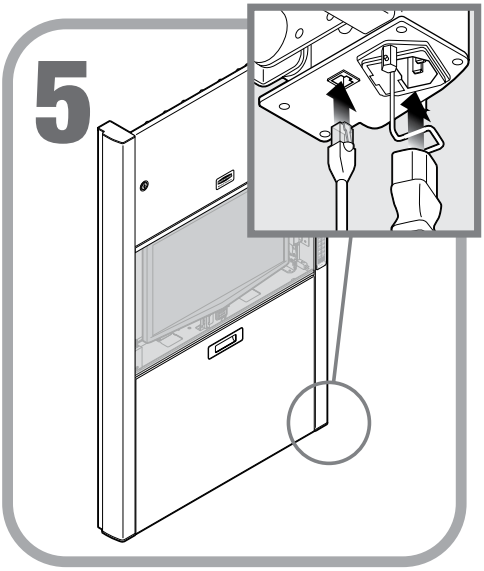
(1) Replace tinted monitor cover.
(2) Replace two screws on top of tinted monitor cover.

Integration

TECHNOLOGY INTEGRATION



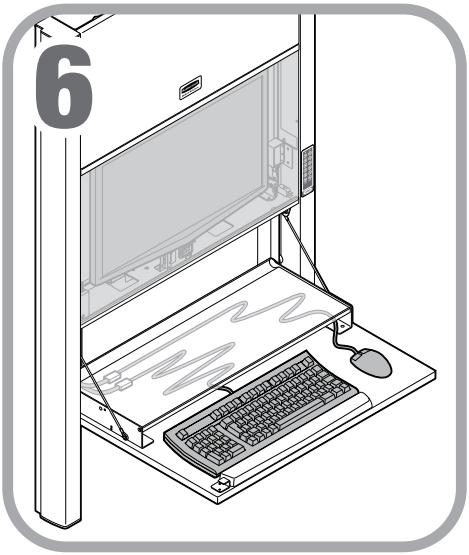
Place CPU into cabinet. Make necessary electrical connections.



Height Adjustable Cabinet – Connect power cord to bottom of cabinet. If needed, connect optional CAT5e cable (not provided).

Integration

TECHNOLOGY INTEGRATION



Place keyboard and mouse into keyboard platform. Plug the USB connectors into the pre-wired USB extenders. Bundle excess cables and tuck under the worksurface.

Note: *Secure keyboard to drawer with velcro to avoid slipping.*

Software Installation

SOFTWARE SETUP

Configuration of Software preferences:

Installation (**DO NOT** plug USB cable in at this point):

1. Run LCDSecureIT - C36-430 Setup.msi setup file.
2. Once installation is complete plug in USB to an open port and wait for driver request.
3. The USB Driver is located within the files provided (at90usbxxx.inf)
4. After the USB drivers have been installed you can setup the software preferences. (see below)

Shutdown the software

Lower right-hand corner is a “Shutdown LCD SecureIT” button to completely close the software. If you close the window or press the “Send To Tray” button, it will be minimized to the system tray.

Task Light Setup

There are four options that are available when the keyboard is closed:

- None (No action taken)
- Immediate Blank Screen
- Immediate Screen Saver (Select On resume, Password protect under screen saver options if user id and password is required)
- Immediate lock computer screen

You can adjust the duration of time the light will stay on at any given instance. (Default is 5 minutes). The password section is not applicable in this situation (Non-Locking Cabinets).

Height Adjustability Setup (Height Adjustable models **ONLY**)

There are two options for height adjustability:

- Cabinet current limit allows administrators to define how much weight will be applied before the cabinet will stall.
- Cabinet up / down Speed Limits control how fast the cabinet moves up or down.

Software Installation

SOFTWARE SETUP

Locking Setup

There are four options for locking:

- Locking Timeout enables locking feature and time duration when cabinet will lock.
- PIN Code Management allows administrators to import/export pin code list to/from the cabinet.
- Network Pin Management allows remote pin code management.
- Pin List manages pin codes on the cabinet.

Note: *See "Programmable Controller/Lock" section for more details.*

Auto Retraction (Auto-Retract models **ONLY**)

There is one option for auto retraction:

- Retraction timeout enables the auto retraction feature and time duration when the drawer will close.

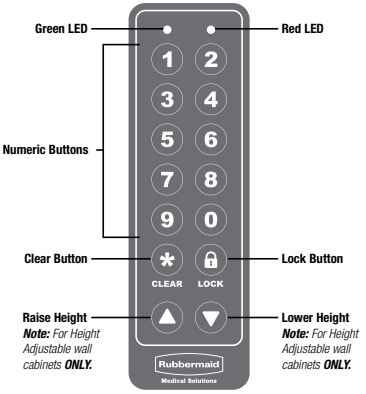
Status Information

There are six options for status information:

- If Drawer Is Closed is gray, no control board is present. If it is red, drawer is closed. If it is green, drawer is open.
- If Drawer Is Locked is gray, no is device detected. If it is red, drawer is locked. If it is green, drawer is unlocked.
- If User Presence Status is gray, no device is detected. If it is red, user is not present. If it is green, user is present.
- If Tasklight Status is gray, no device is detected. If it is red, tasklight is off. If it is green, tasklight is on.
- Version Information tells you software, firmware, and hardware revision versions.
- Enter Bootloader is used to install/upgrade new firmware. Users should never have to use this function.

Programmable Controller/Lock

PIN CODE LOCKING CABINET ONLY



Programming Functions

Locking Timeout

- Lock the Tray: Check this box to enable Locking Feature. Uncheck to disable.
- Minutes and Seconds: This feature determines how long after a user walks away from the cabinet before the cabinet locks. Dropdown box allows admins to select anywhere from 5 seconds to 15 minutes.

Programmable Controller/Lock

PIN CODE LOCKING CABINET ONLY

PIN Code Management

- Copy PIN Codes from File to Device: This feature allows administrators to import pin code list into the cabinet.
- Copy PIN Codes from Device to File: This features allows users to download all pins from this product (cabinet specific) to the local computer for backup.

Network Pin Management

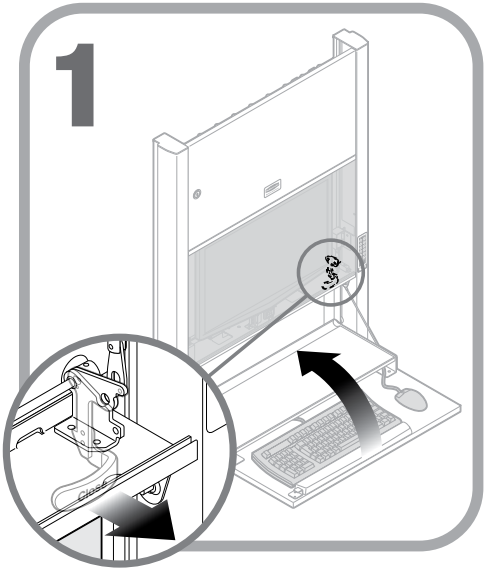
- This is an accessory feature that allows remote pin code management. Check box to enable this feature. This feature will not work without the network pin code management software sold seperatly.

Pin List

- Digits in a Pin: Determines the length of pin codes (4 to 10 digits limitation).
- Get List from Board: Populates a list in the pin list column from the control board. Pin list will show how many pins are stored on the control board below the list box.
- Pin Addition: Pin entry is added here. User will add a pin defined around the number of digits defined in the “Digits in a Pin” section above. Once user has determined the pin code the “Add to List” Button will be pressed to populate to the pin list.
- Remove Selected Button: In the pin list section, highlight a pin selected for removal, then click “Remove Selected” button to delete entry.
- Commit Changes Button: Use this when all changes have been finalized. This will upload any pin entries/deletions to the control board.
- Pin List and Pins Loaded: List of all pins stored on the control board and number of pins on control board.

Operation

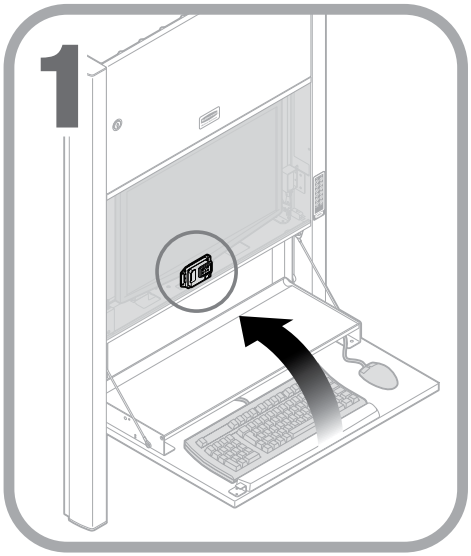
HANDLE RELEASE



To close keyboard tray, pull release handle.

Note: *The tray will close automatically when the release handle is pulled.*

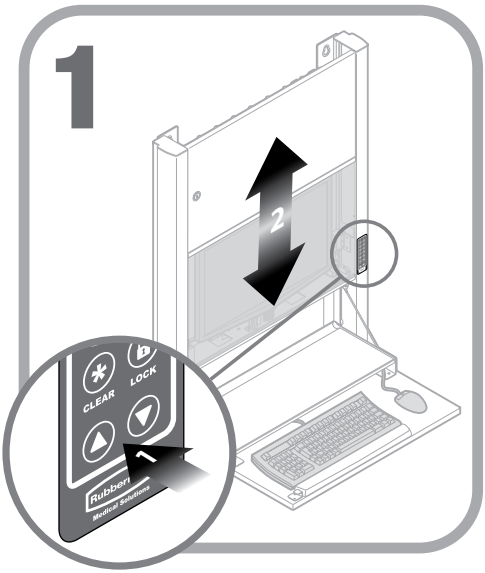
AUTO-RETRACT



Auto-Retract Cabinet – If the IR module does not detect activity after the preset amount of time, the auto-retract feature will close keyboard tray.

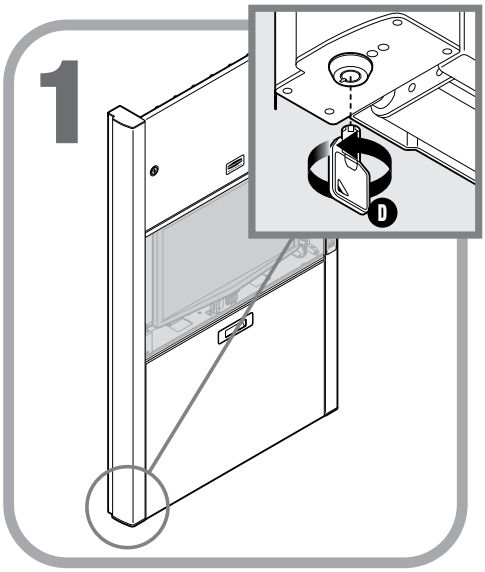
Operation

ADJUSTING HEIGHT POSITION



Height Adjustable Cabinet – (1) Press up or down button on keypad to (2) adjust height position.

OVERRIDE LOCK



Locking Cabinet – If keypad becomes inoperable, the override lock can be used to open the keyboard platform.

Maintenance

DO NOT use the workstation if pieces are missing or the unit is damaged. In these cases, immediately contact **Rubbermaid Customer Service** for more information: 1-888-859-8294.

Cables: Always keep the cables neatly organized and be sure to route cables away from moving components with wire ties or
cable clips.

Electric Cables: Periodically inspect power cord and plug to ensure plug is not bent and cable is not frayed.

CLEANING

CAUTION: Because of the close proximity of electrical power and equipment, flammable cleaners should never be used on the workstation.

- Verify that your workstation is unplugged from the wall outlet before cleaning.
- Allow your workstation to dry completely before plugging the power cord into a wall outlet.
- When cleaning the workstation, wipe surface with a damp cloth and thoroughly dry.
- **NEVER** cover the workstation or its components with liquid or allow liquids to flow into the workstation.
- **NEVER** use steel wool or other abrasive material as these could damage the surface finish.
- Before using any cleaner on the workstation, first test on a small area to ensure that the surface is not harmed.
- These guidelines cannot guarantee infection control. The hospital's Infection Control Administrator should be consulted regarding cleaning procedures and schedules.
- Clean plastic components with diluted, non-abrasive solutions. Suggested cleaners are water, soap, diluted bleach and alcohol solutions.
- Remove pen and dry erase marker stains with a soft cloth and 91% isopropyl alcohol.
- Remove iodine stains with a soft cloth and any cleaners suggested above.

DO NOT use the following chemicals to clean your workstation: acetone, mineral spirits, abrasive cleansers, paint thinner or any other harsh or toxic chemicals.

WOOD PANEL CARE

Harsh, abrasive and undiluted cleaning products may cause damage to Deco Lam and the contact adhesive.

Pine Sol and Simple Green are cleaners that have been approved for use on Deco Lam. A 30-1 ratio of water to cleaner is highly advised. Recommend water and a clean towel as a cleaning alternative to homeowners.

Troubleshooting

Problem	Solution
Top door needs adjustment for alignment	Open the top door and locate the 2 hinges on the right side. To adjust the door up or down use the inside screw of the hinges. To adjust the door right or left use the outside screw on the hinges.
No Power	Check cable connections to power supply in the top cabinet.
Keypad lock not working	Use override key on the bottom left side.
Lift is not working	Ensure power cables are connected and power is available.
Unit does not function	Check power supply.
	Check wall outlet for power.
	Check USB communications cable.
	Check connectivity/communications with software.
Power supply does not turn on	Check power input cable.
	Check wall outlet for power.
Software does not show connectivity to control board	Check USB communications cable.
	Check power supply.
	Check that the control board is not in bootloader mode - remove power from control board, wait 60 seconds and reconnect power.
	Check firmware version - update firmware if necessary.

Troubleshooting (continued)

Problem	Solution
Software does not show connectivity to task light	Check USB communications cable.
	Unplug and reconnect USB cable to establish communications
	Check that automatic detection in software is enabled and verify connectivity.
	Check firmware version - update firmware if necessary.
Solenoid does not fire	Check connections.
	Press clear and lock button at the same time.
	Check that retract the tray box is checked.
	Check retraction time out time.
Solenoid does not fire	Check connections.
	Press clear and lock button at the same time.
	Check that retract the tray box is checked.
	Check retraction time out time.
Cabinet lock does not function	Check connections.
	Press lock button and re-enter pin code, then press lock again.
	Check that lock the tray box is checked.
	Check timing of lock cycle.
Keypad does not function	Check connections.
	Look for LED status indicators
	Unplug and reconnect membrane cable.
Linear actuator does not function	Check connections.
	Check for power to control board.
	Check that there is not excessive weight applied to the cabinet or obstructions in the way of travel.
	Check that speed limitations settings in software.
	Check membrane connector.
IR sensor does not operate	Check connections.
	Look for LED status indicators.
	Adjust gain control on IR sensor to adjust output.
Software does not operate	Restart computer.
	Uninstall/reinstall software.
	Check firmware version of task light/control board.
Pin code entry problems	Check membrane connector.
	Check pin code list in software.
	Check that the digits in the pin box and the number of digits being entered is equal.

Service

SERVICE REQUEST

Please visit our website at: *www.rubbermaidmedical.com/service* to file a request for parts.

SERVICE LEVEL COMMITMENT

Rubbermaid Medical Solutions is committed to providing best-in-class service. This document details our standard warranty and instructions on how to request service using our customer support system.

Warranty

LIMITED WARRANTY FOR WALL MOUNTED WORKSTATIONS

Rubbermaid Medical Solutions (RMS) is pleased to offer a five-year warranty on durable components and a two-year warranty on electronic components.

If during the warranty period this RMS product proves defective in materials or workmanship under normal use by the original purchaser, please contact RMS technical support at www.rubbermaidmedical.com/service (please be sure to complete all information, including product serial number, description of the issue, and full contact information). RMS will determine, at its sole discretion, how to best address your warranty issue, which may include sending you a replacement part covered under warranty or for sale. RMS reserves the right to require proof-of-purchase prior to honoring any warranty request. This warranty does not cover product abuse, modification, failure to adhere to product instructions, or improper operation/misuse. RMS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

Service Details

Consumable components are not covered under warranty and include:

- Cable grommet
- Back panel of cabinet
- Door lock and key
- Pull latch for bottom door

All other standard components will be replaced under the applicable warranty following a filed service request. If the service request is received prior to 10 am EST, replacement parts will ship next business day. Requests filed after 10 am EST will be fulfilled with parts shipped in 2 business days. All replacement parts will ship via ground carrier.

*The above terms for replacement parts applies to facilities located in the United States. All other customers should contact the appropriate reseller for the terms of part replacement.

Rubbermaid®

Medical Solutions

1-888-859-8294

www.RubbermaidMedical.com

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